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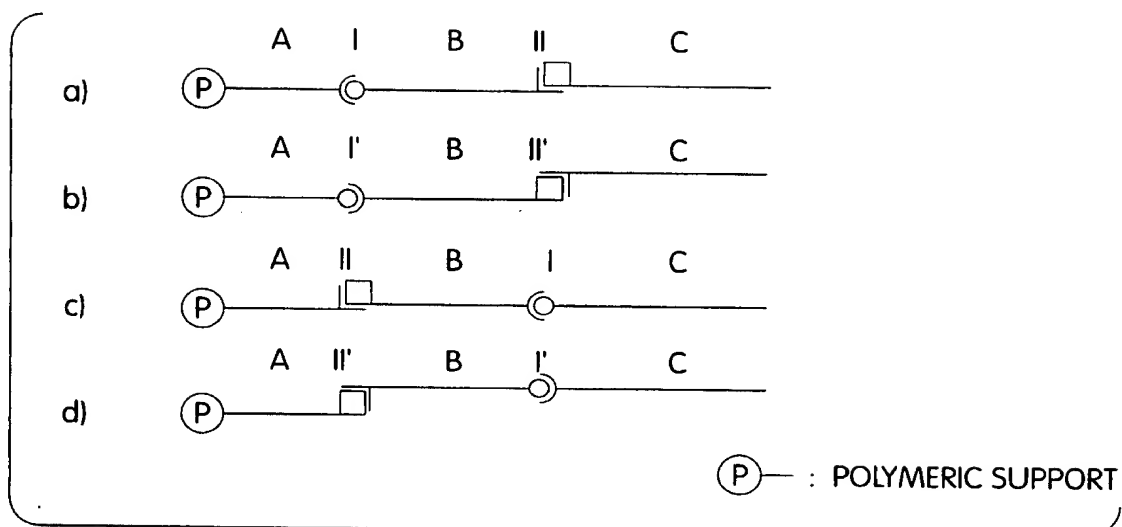


Fig. 1

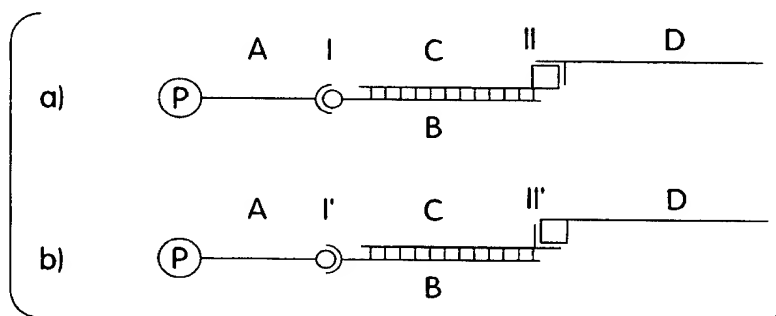


Fig. 2

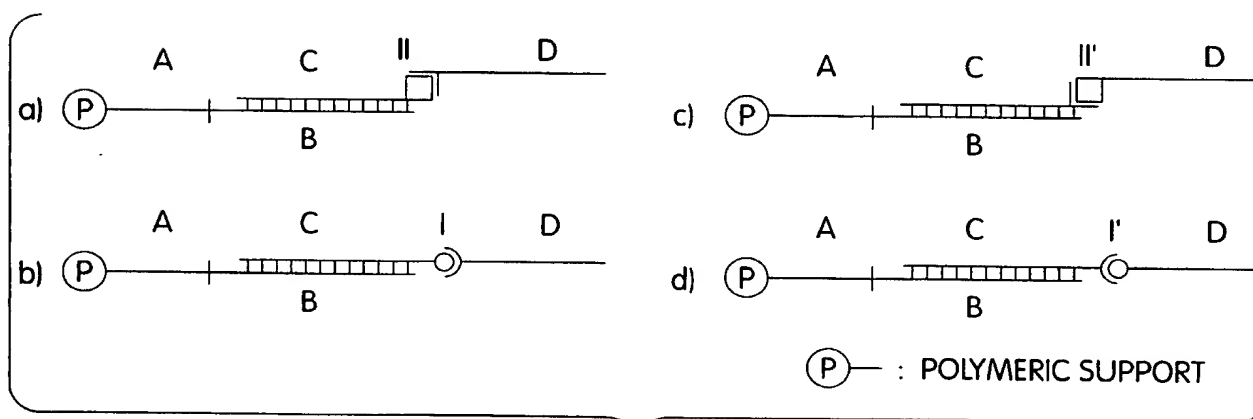


Fig. 3

SUBSTITUTE SHEET (RULE 26)

003011-50255260

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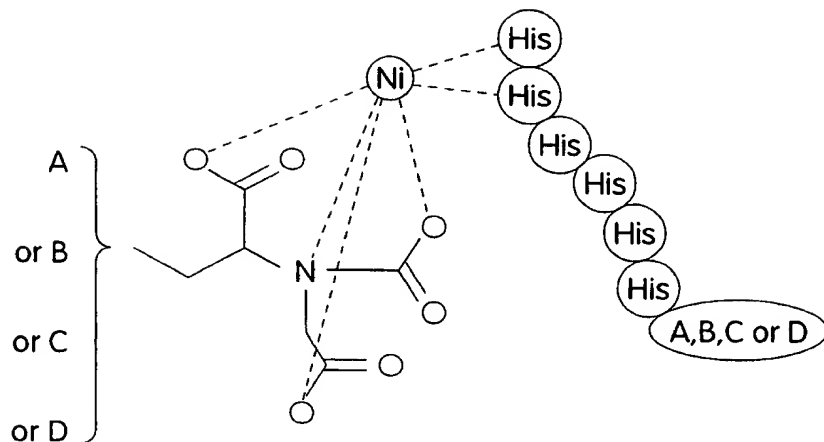


Fig. 4

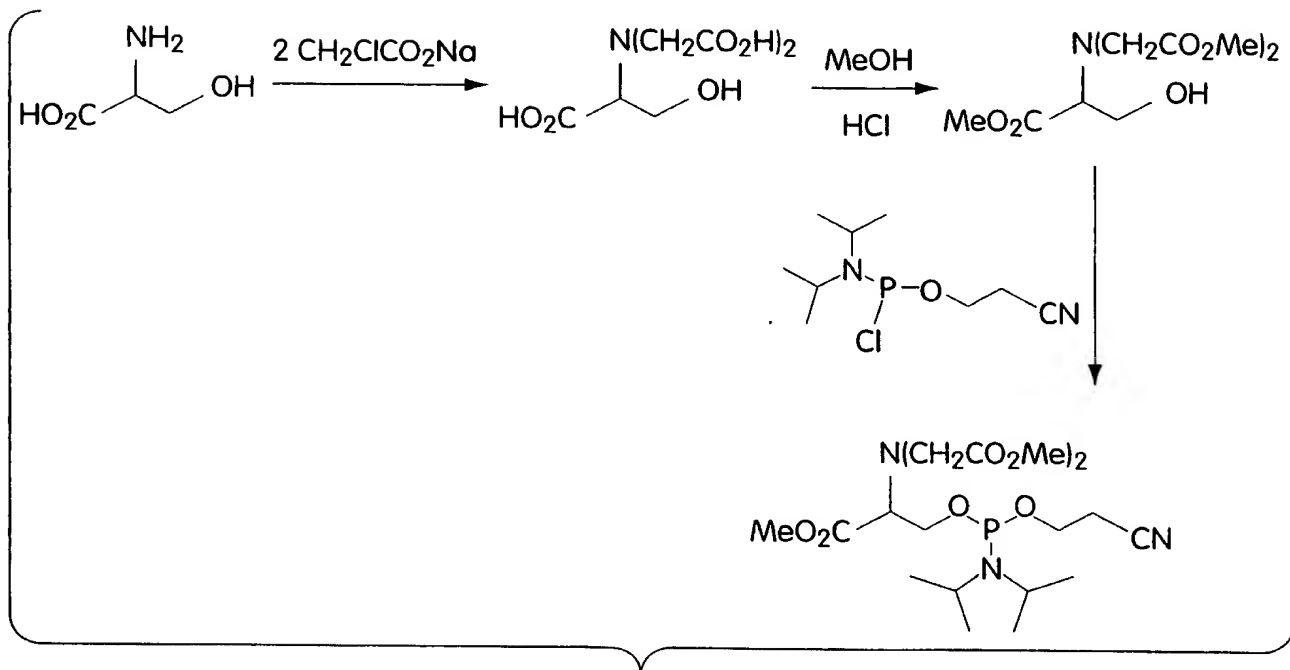


Fig. 5

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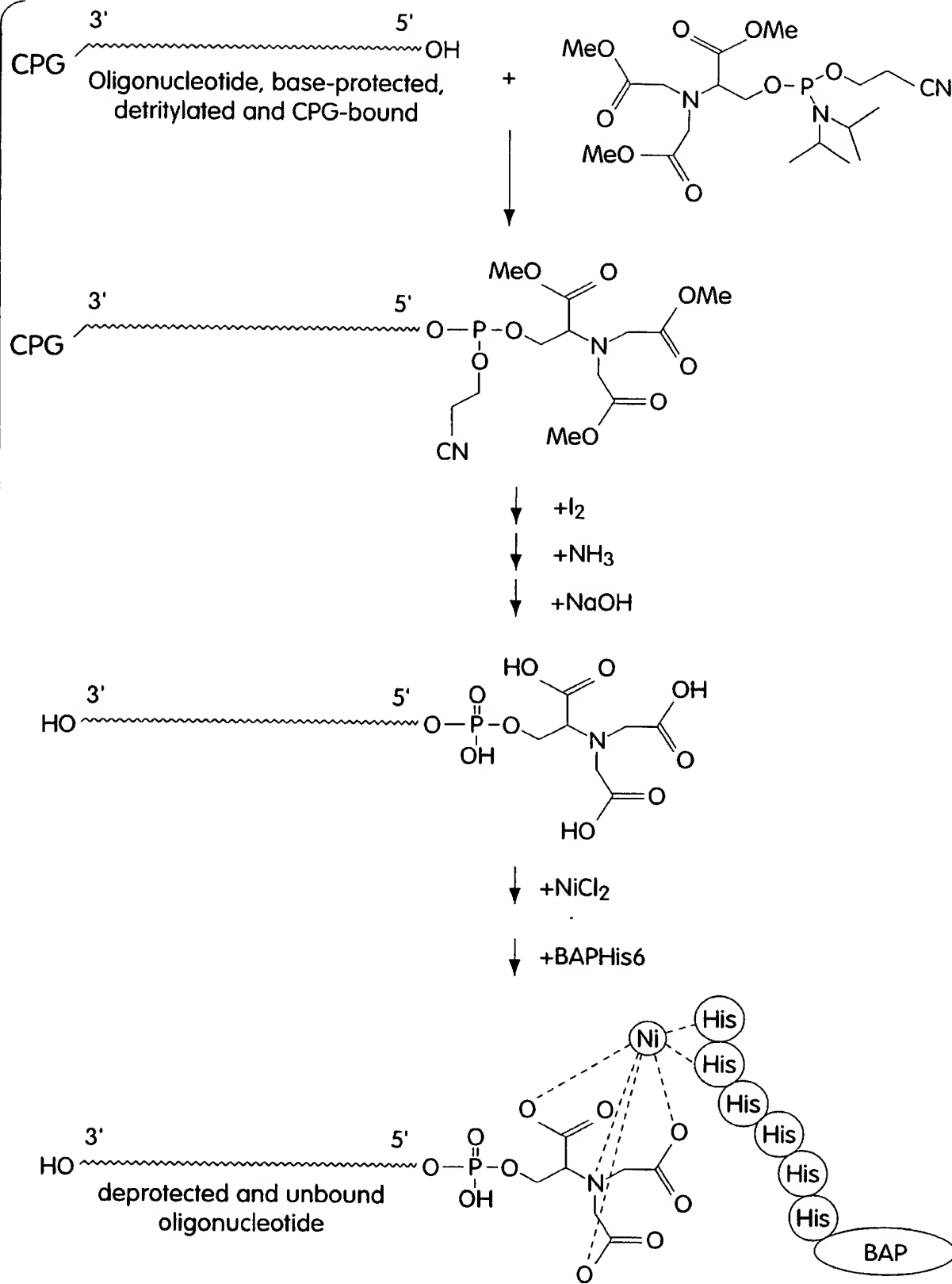


Fig. 6

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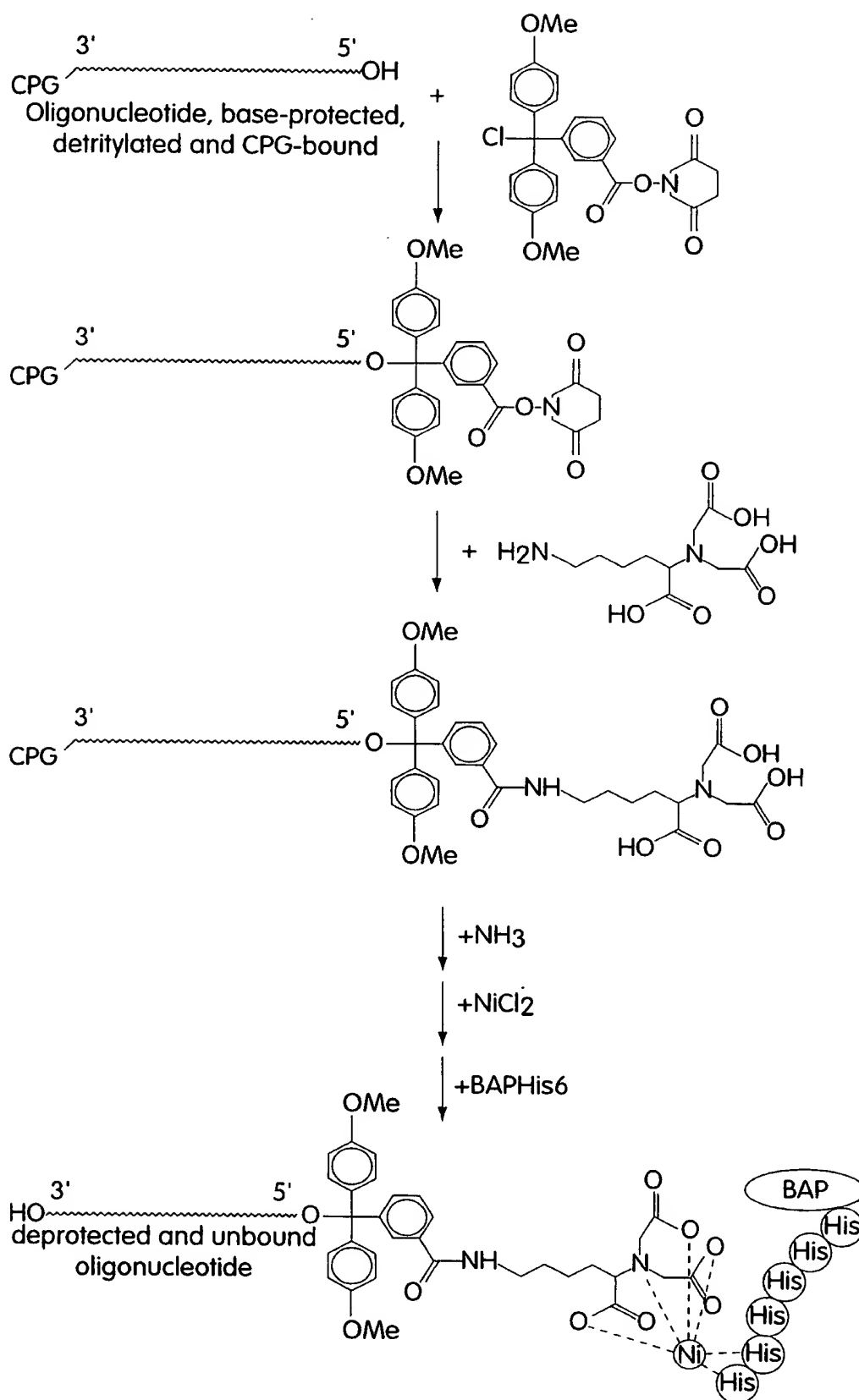


Fig. 7

SUBSTITUTE SHEET (RULE 26)

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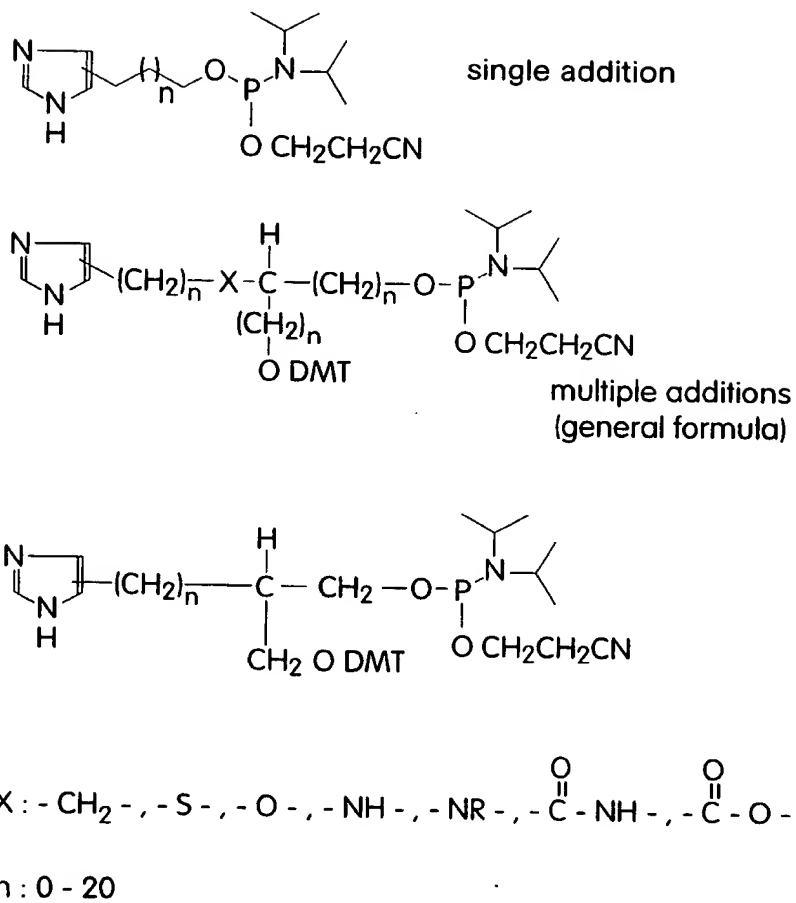
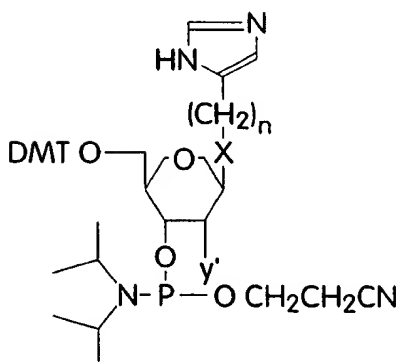
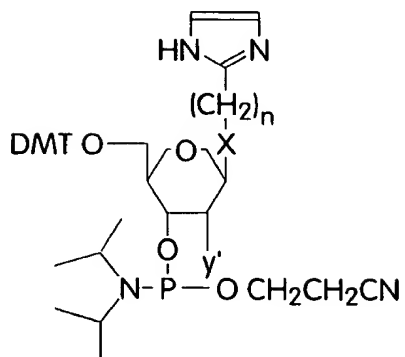


Fig. 8

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$X: -S-, -O-, -NH-, -NR-, -C(=O)-NH-, -C(=O)-O-$

$n: 0-20$

$y': -OR-, -NHR-, -SR-, -F-, -Cl-, -Br-, -OMe$

$R: \text{Protecting Group (Lower alkyl, silyl alkyl, THP, etc.)}$

Fig. 9

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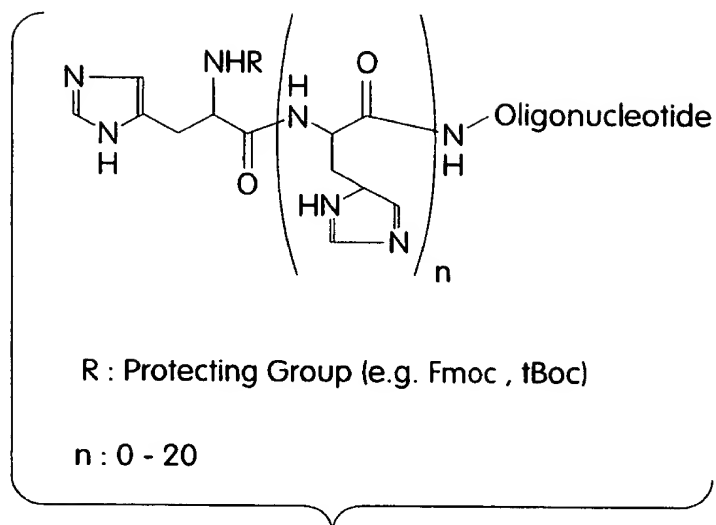


Fig. 10

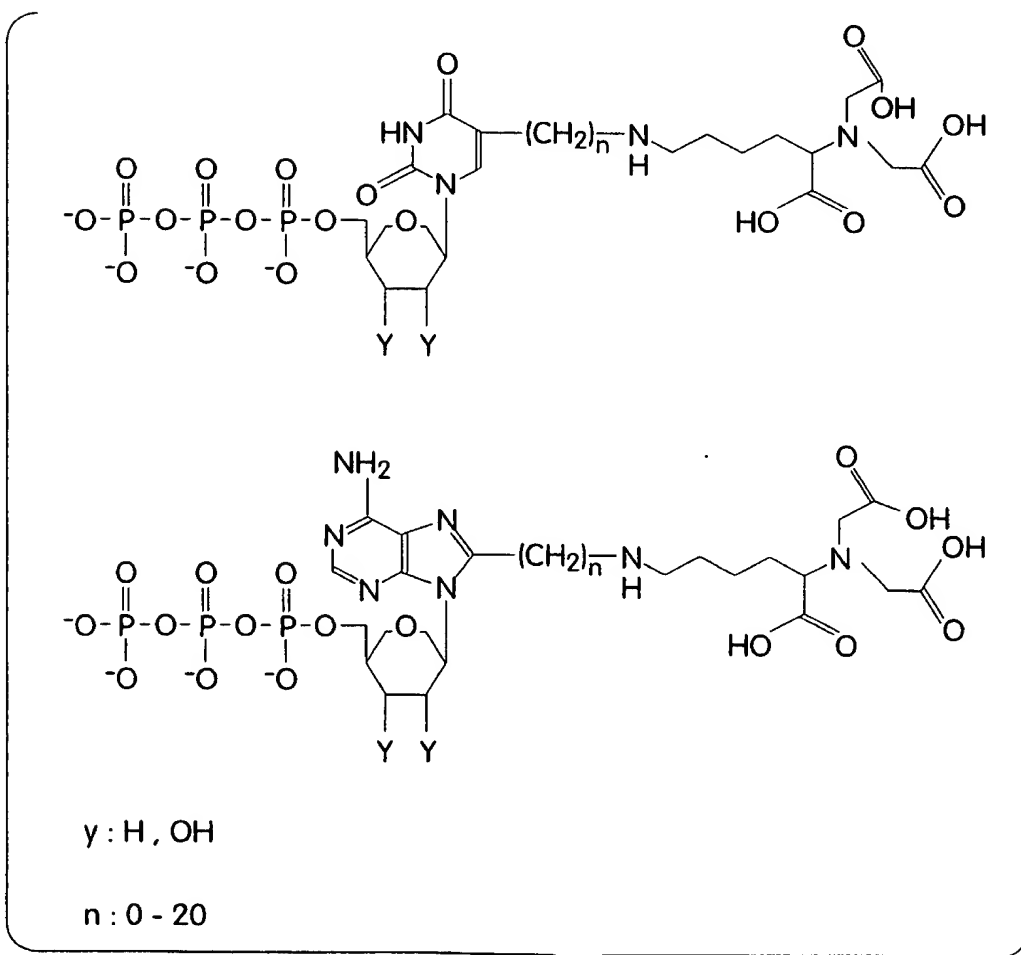
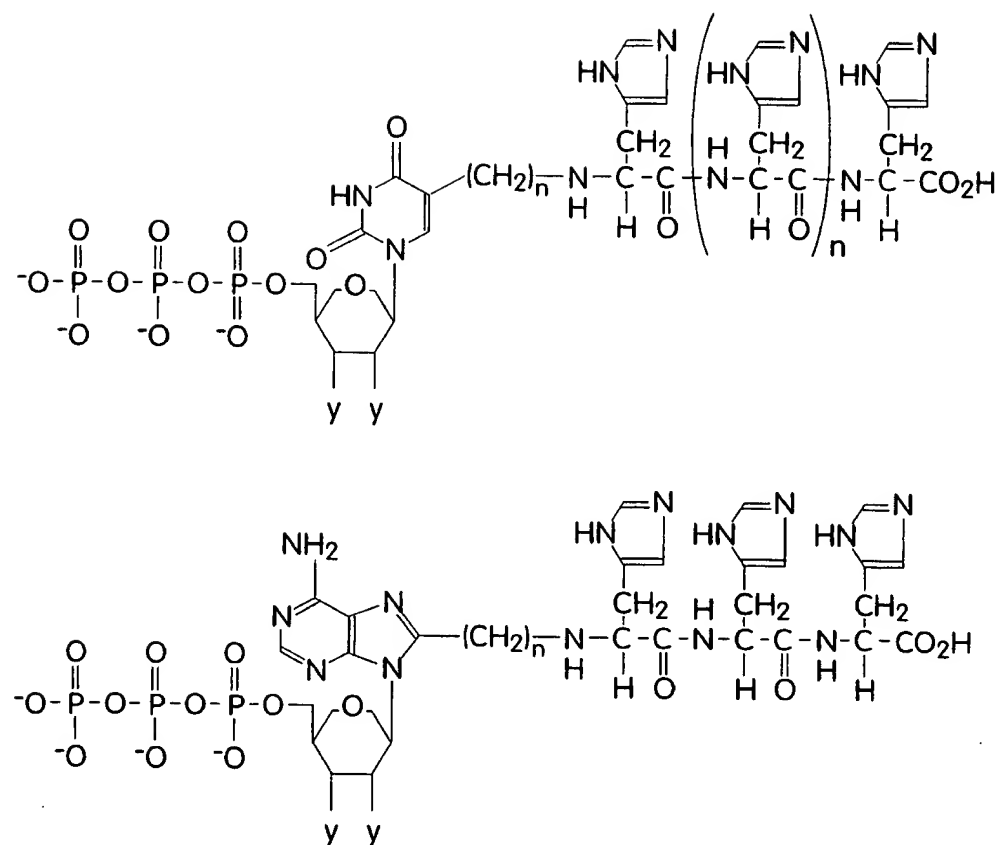


Fig. 11

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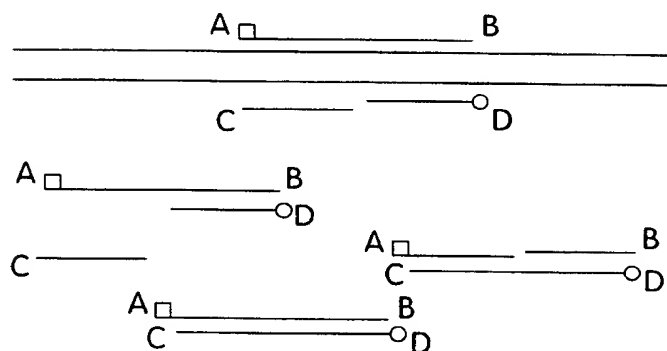
y : H, OH

n : 0 - 20

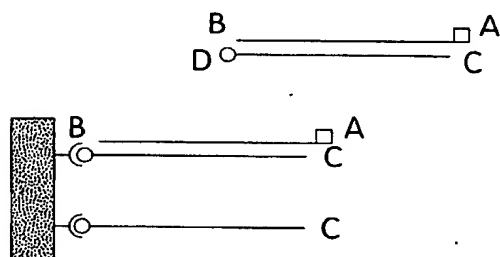
Fig. 12

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1. LCR with two differently derivatized primers



2. Coupling to solid phase via NHS-DMT linker



3. Coupling of the reporter enzyme and detection

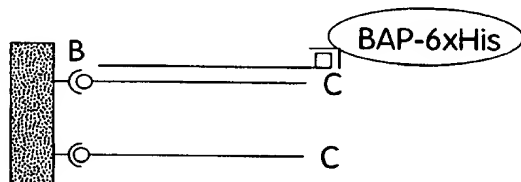
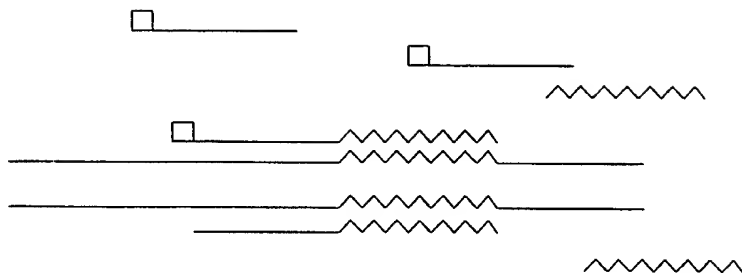


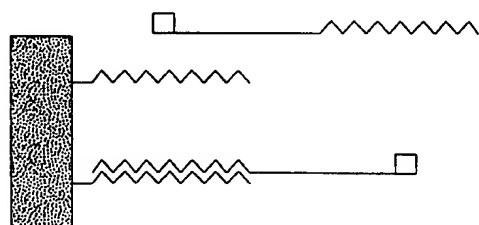
Fig. 13

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1. PCR in a crude cell lysate



2. Denaturing and filtration through a membrane with bound capture oligonucleotides



3. Coupling of the reporter enzyme and detection

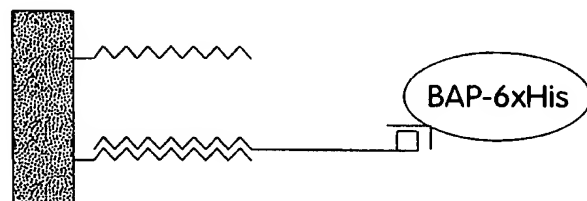


Fig. 14